



ICANN



IANA Status Report

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IANA Numbers Liaison

IANA Functions

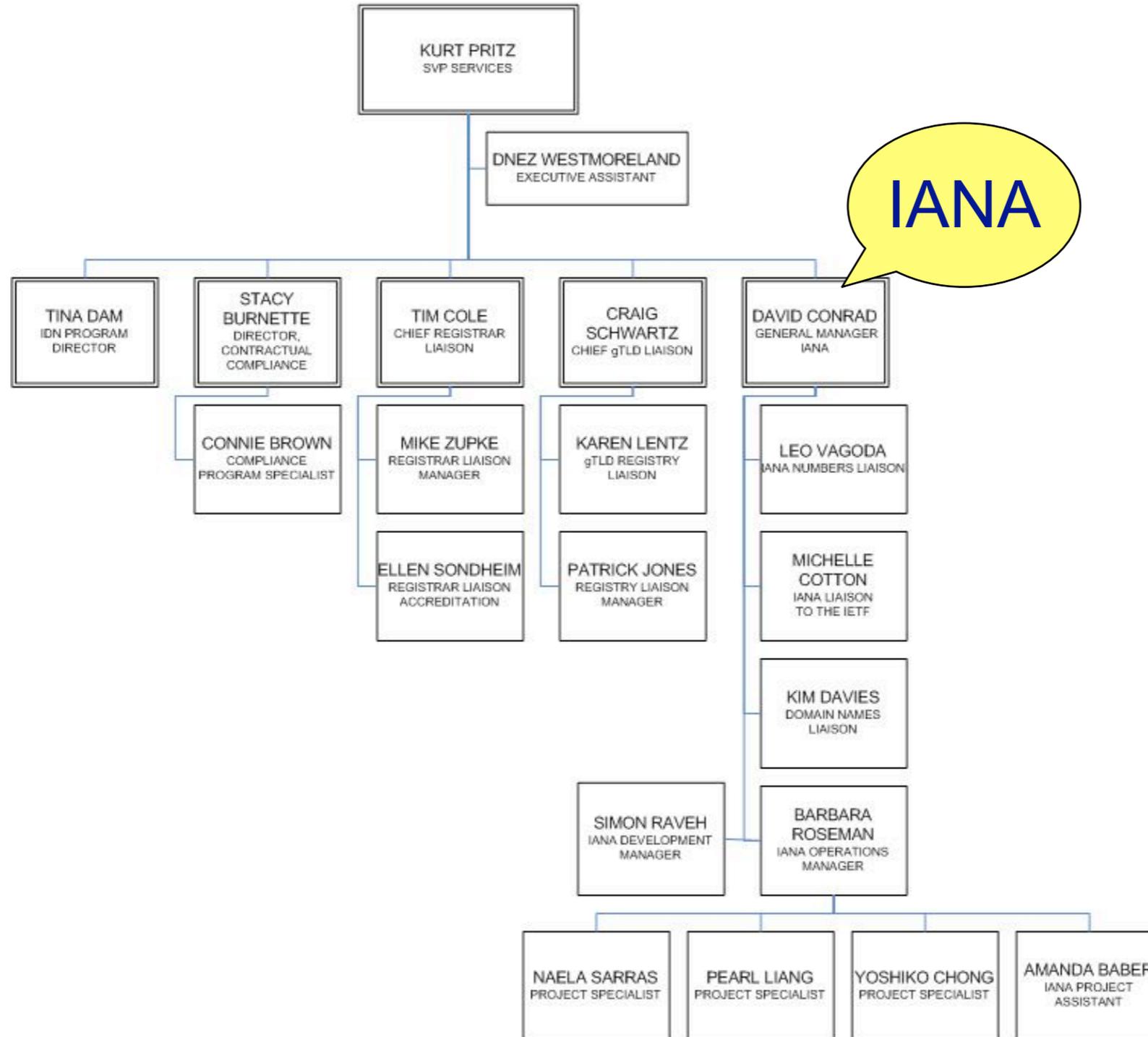


- Resource management
 - IPv4, IPv6 and ASN Registries (in cooperation with the RIRs)
 - Protocol parameter registries (in cooperation with IETF/IESG/IAB)
 - Internet Drafts and RFC standards process
 - Identifier registry creation and maintenance
 - Ports and Personal Enterprise Numbers (PENs) assignments
 - Maintain .ARPA and .INT domain registrations and registries
 - Root zone management
 - Maintain Top Level Domain registration and zone delegation information
 - Validate and process TLD change requests
 - Verify minimal proper DNS server requirements
 - Maintain public “Whois” and internal delegation process/procedure information for TLDs.

ICANN Structure



ICANN SERVICES

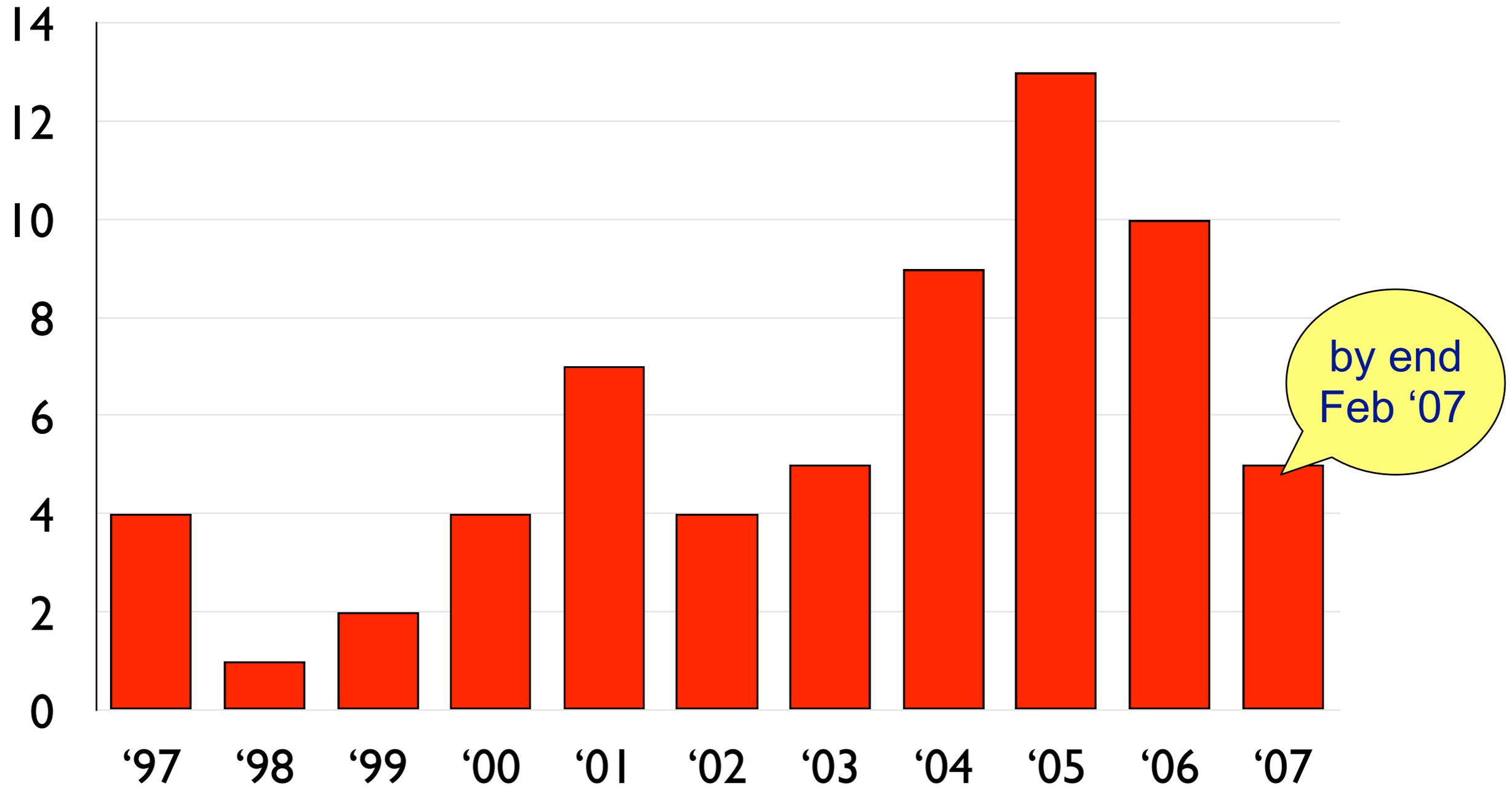


Current Projects

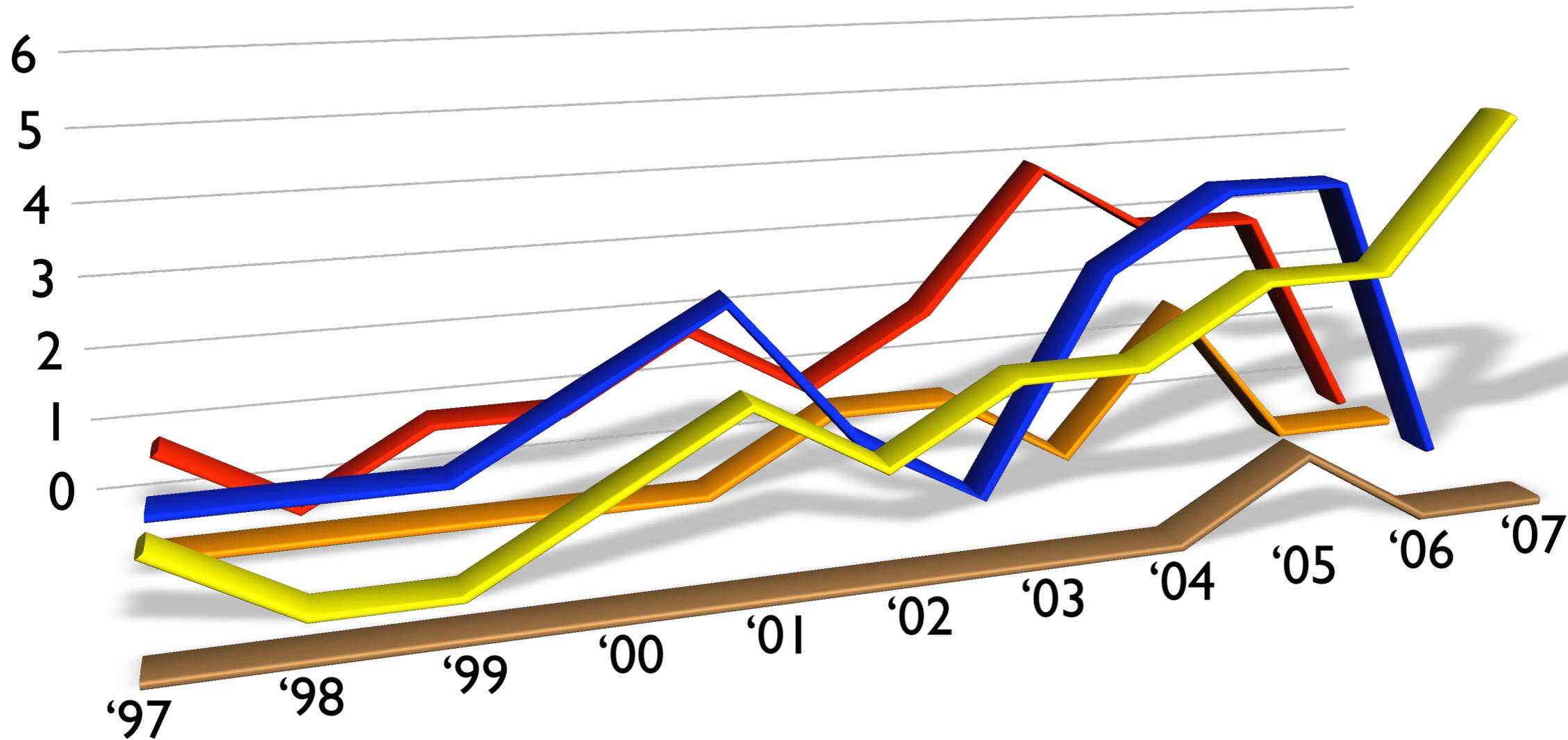
- Registries
 - IPv4 Address Allocation Registry Data Review
 - RFC inventory - check all registries have been created
 - Converting all registries to an XML data structure
 - Whois service for IP address registries
- Administrative
 - Documentation Management
 - IANA web redesign
 - Automated Report Generation
- IANA Process Improvements
 - Reverse Delegation for in-addr.arpa and ip6.arpa
 - DNSSEC for all IANA managed zones
 - DNS checking tool
 - “eIANA” self-service for ccTLDs
 - PEN allocation automation



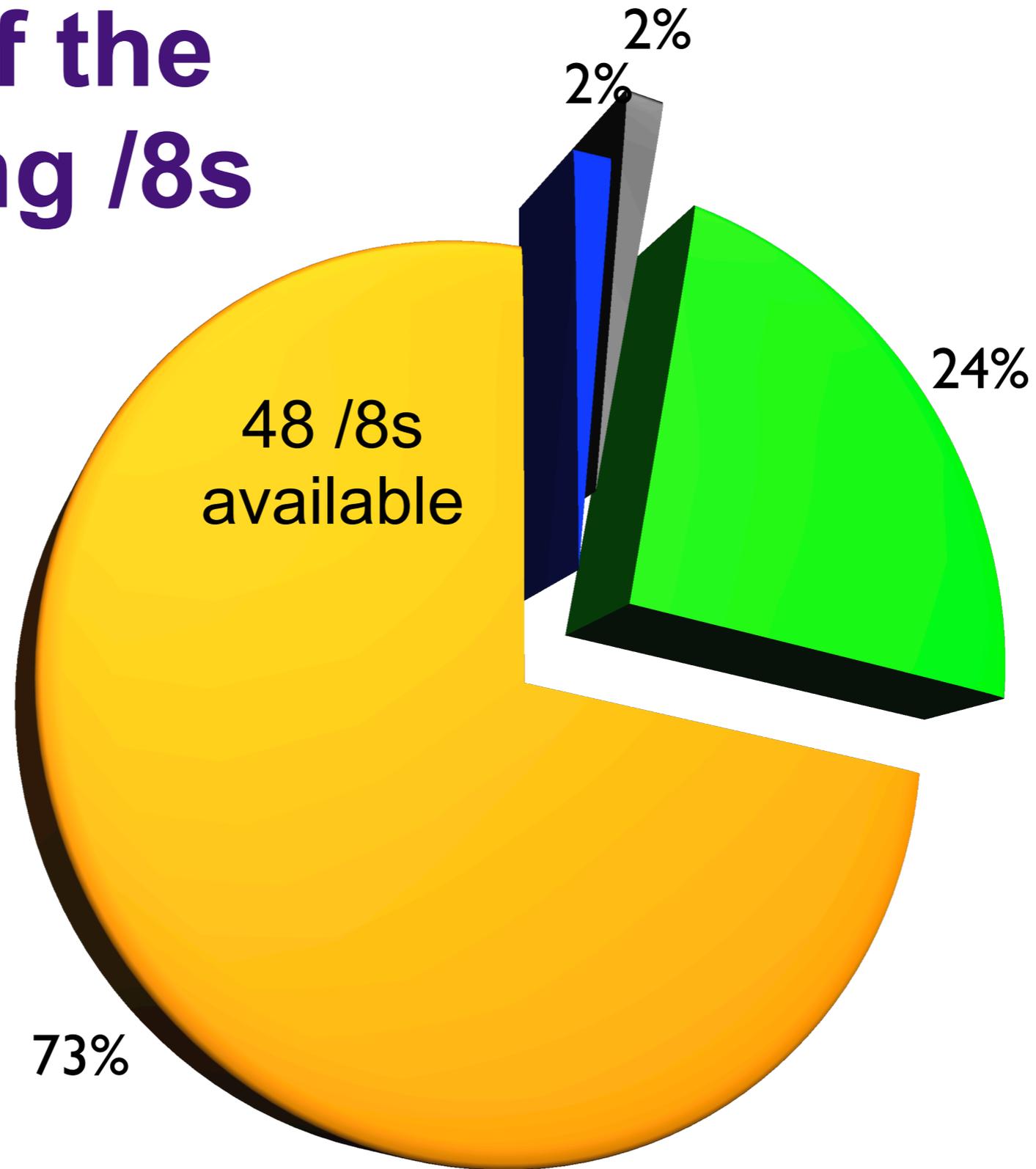
IPv4 Allocation Trend - All RIRs



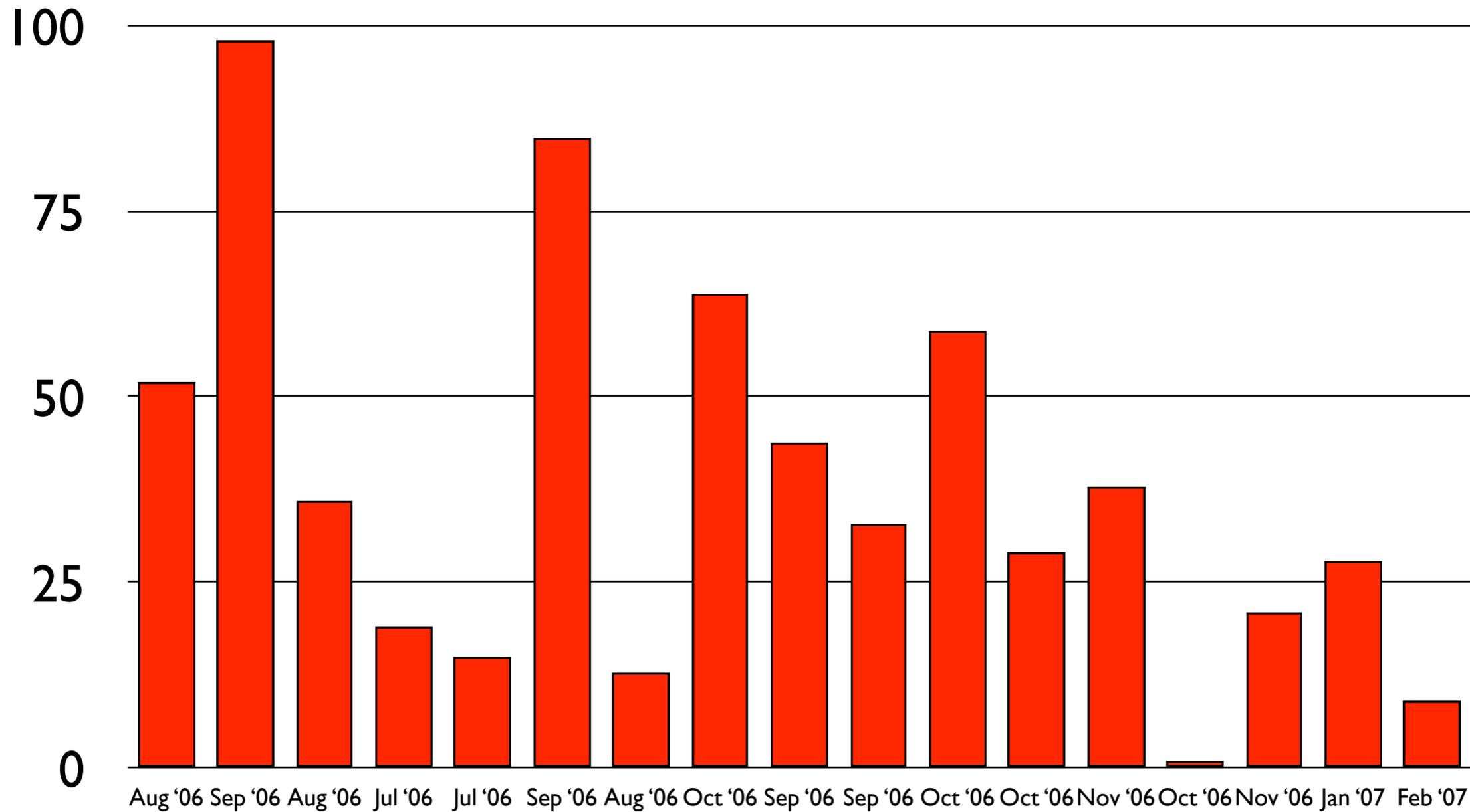
IPv4 Allocation History - by RIR



Status of the remaining /8s



Recent Multicast Assignments Time Time



Mar 2, 2007

APNIC 23 Meeting -- Bali, Indonesia

8

Near-Term Future Activities

- Signing .ARPA
 - Talking with IAB about how to move forward
- IANA Process Automation
 - DNSSEC
 - Port allocation
- “Customer Satisfaction Survey”

On the Horizon Activities

- “IANA Certificate Authority”
- Improved authentication mechanisms
- Root Zone Management via EPP
- Registry availability programmatically via...
 - BEEP? XML-RPC? SOAP?
- IANA Infrastructure improvements

Summary

- We allocate and maintain registries for a variety of resources, including protocol parameters, IP addresses, and domain names
- We have added staff and are improving services as quickly as possible
- We're pretty busy now
- We're going to be pretty busy for a while
- **Suggestions for improvement are welcome!**

Questions

